

## EAST Search History

| Ref # | Hits  | Search Query  | DBs                          | Default Operator | Plurals | Time Stamp       |
|-------|-------|---|------------------------------|------------------|---------|------------------|
| L1    | 2980  | 711/112-113.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/01/03 13:33 |
| L2    | 8     | 1 and dual adj processors   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/01/03 13:33 |
| S1    | 54    | ((processor processing CPU multiprocessor multi-processor micro-processor microprocessor) near3 shar\$3) same ((memory near3 mapped) (memory-mapped)) near3 (registers address space) | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/09/08 19:53 |
| S2    | 27771 | ((processor processing CPU multiprocessor multi-processor micro-processor microprocessor) near3 shar\$3)  | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/09/08 19:53 |
| S3    | 5185  | (memory near3 mapped near3 (regsiter address space)) ((memory-mapped) near3 (registers address space) )   | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/09/08 19:54 |
| S4    | 47    | S2 same S3  | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/09/08 19:55 |
| S5    | 58    | shar\$3 with (memory-mapped (memory adj2 mapped)) with register   | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/09/08 19:59 |
| S6    | 0     | "711".clas. and fifo same ((hard adj2 drive) (disk adj2 drive)) same shar\$3 same (processor DSP microprocessor multiprocessor CPU) same (wait\$3 bubble NOP no-op)                   | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/09/08 20:01 |
| S7    | 0     | fifo same ((hard adj2 drive) (disk adj2 drive)) same shar\$3 same (processor DSP microprocessor multiprocessor CPU) same (wait\$3 bubble NOP no-op)                                   | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/09/08 20:01 |
| S8    | 2990  | fifo and ((hard adj2 drive) (disk adj2 drive)) and shar\$3 and (processor DSP microprocessor multiprocessor CPU) and (wait\$3 bubble NOP no-op)                                       | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/09/08 20:02 |
| S9    | 489   | S8 and "711".clas.  | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/09/08 20:02 |
| S10   | 223   | fifo same ((hard adj2 drive) (disk adj2 drive)) and shar\$3 and (processor DSP microprocessor multiprocessor CPU) and (wait\$3 bubble NOP no-op)                                      | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/09/08 20:02 |

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|     |     |   |                    |    |    |                  |
|-----|-----|---|--------------------|----|----|------------------|
| S11 | 57  | S10 and "711".clas.   | US-PGPUB;<br>USPAT | OR | ON | 2006/09/08 20:04 |
| S12 | 4   | ((memory-mapped (memory adj2 mapped)) near3 register) with conflict     | US-PGPUB;<br>USPAT | OR | ON | 2006/09/08 20:06 |
| S13 | 0   | "575227".pn.  | US-PGPUB;<br>USPAT | OR | ON | 2006/09/08 20:06 |
| S14 | 1   | "5752270".pn.   | US-PGPUB;<br>USPAT | OR | ON | 2006/09/08 20:07 |
| S15 | 1   | "5500848".pn.   | US-PGPUB;<br>USPAT | OR | ON | 2006/09/08 20:07 |
| S16 | 0   | "711".ccls. and (hard adj2 semaphore) and (soft adj2 semaphore)         | US-PGPUB;<br>USPAT | OR | ON | 2006/09/08 20:09 |
| S17 | 0   | "711".ccls. and (hard adj2 semaphore)                                   | US-PGPUB;<br>USPAT | OR | ON | 2006/09/08 20:08 |
| S18 | 0   | "711".clas. and (hard adj2 semaphore) and (soft adj2 semaphore)         | US-PGPUB;<br>USPAT | OR | ON | 2006/09/08 20:09 |
| S19 | 0   | "711".clas. and (hard adj2 semaphore)                                   | US-PGPUB;<br>USPAT | OR | ON | 2006/09/08 20:09 |
| S20 | 0   | "711".clas. and (hard adj2 semaphore)                                   | US-PGPUB;<br>USPAT | OR | ON | 2006/09/08 20:09 |
| S21 | 669 | "711".clas. and (Sodtadj2 semaphore)                                    | US-PGPUB;<br>USPAT | OR | ON | 2006/09/08 20:09 |
| S22 | 0   | "711".clas. and (soft adj2 semaphore)                                   | US-PGPUB;<br>USPAT | OR | ON | 2006/09/08 20:10 |
| S23 | 1   | "5740466".pn.   | US-PGPUB;<br>USPAT | OR | ON | 2006/09/09 11:35 |
| S24 | 6   | "796727".ap.  | US-PGPUB;<br>USPAT | OR | ON | 2006/09/09 11:35 |
| S25 | 130 | shar\$3 with memory near3 map\$3 and semaphore                          | US-PGPUB;<br>USPAT | OR | ON | 2006/12/29 16:22 |
| S26 | 63  | shar\$3 with memory near3 map\$3 near3 register                         | US-PGPUB;<br>USPAT | OR | ON | 2006/12/29 16:23 |
| S27 | 9   | servo same memory-mapped  | US-PGPUB;<br>USPAT | OR | ON | 2006/12/29 16:23 |
| S28 | 4   | servo same fifo same shar\$3  | US-PGPUB;<br>USPAT | OR | ON | 2006/12/29 16:24 |
| S29 | 11  | controller same (fifo buffer) same shar\$3 with (memory near3 register) | US-PGPUB;<br>USPAT | OR | ON | 2006/12/29 16:32 |

## EAST Search History

|     |      |   |                        |    |    |                  |
|-----|------|---|------------------------|----|----|------------------|
| S30 | 14   | ((shar\$3 semaphore) same (memory near3 map\$4)) and servo and (buffer fifo speed-matching (speed adj match\$3)) and pipelin\$3 | US-PGPUB; USPAT        | OR | ON | 2006/12/29 16:37 |
| S31 | 100  | ((disk servo) near5 controller) and (shar\$3 with (memory-mapped (memory adj2 map\$4)))   | US-PGPUB; USPAT        | OR | ON | 2006/12/29 16:39 |
| S32 | 393  | ((disk servo) near3 controller) same (buffer fifo) and pipelin\$3   | US-PGPUB; USPAT        | OR | ON | 2006/12/29 16:40 |
| S33 | 6    | S31 and S32   | US-PGPUB; USPAT        | OR | ON | 2006/12/29 16:49 |
| S34 | 6    | "796727".ap.  | US-PGPUB; USPAT        | OR | ON | 2006/12/30 14:34 |
| S35 | 4    | semaphore same (memory-mapped near3 register)   | US-PGPUB; USPAT        | OR | ON | 2006/12/30 14:46 |
| S36 | 14   | semaphore same servo  | US-PGPUB; USPAT        | OR | ON | 2006/12/30 14:58 |
| S37 | 18   | (servo disk) near3 controller with dual near3 (CPU processor dsp)   | US-PGPUB; USPAT        | OR | ON | 2006/12/30 15:23 |
| S38 | 1    | "6662253".pn.   | US-PGPUB; USPAT        | OR | ON | 2006/12/30 15:23 |
| S39 | 5    | ("6662253").URPN.   | USPAT                  | OR | ON | 2006/12/30 15:37 |
| S40 | 10   | ("5317749"   "5408671"   "5678026"   "5937428"   "6378017"   "6438720"   "6473821"   "6499131"   "6502167"   "6505257").PN.     | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/30 16:02 |
| S41 | 34   | ((servo disk) near3 controller) with multiple near3 (cores processors embedded DSP)   | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/30 16:05 |
| S42 | 29   | 711/112-113.ccls. and 711/150.ccls.   | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/30 16:04 |
| S43 | 152  | ((servo disk) near3 controller) with (plural plurlaity two) near3 (cores processors embedded DSP)                               | US-PGPUB; USPAT; USOCR | OR | ON | 2007/01/03 09:47 |
| S44 | 8441 | frequenc\$3 with (DSP processor CPU (process\$2 adj2 unit) core) same controller  | US-PGPUB; USPAT; USOCR | OR | ON | 2007/01/03 09:49 |
| S45 | 273  | (different unique distinct) near3 frequenc\$3 with (DSP processor CPU (process\$2 adj2 unit) core) same controller              | US-PGPUB; USPAT; USOCR | OR | ON | 2007/01/03 10:03 |
| S46 | 44   | S45 and ("711" "712" "710" "360"). clas.  | US-PGPUB; USPAT; USOCR | OR | ON | 2007/01/03 10:19 |

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|     |    |   |                              |    |    |                  |
|-----|----|---|------------------------------|----|----|------------------|
| S48 | 40 | ("4603382" "5249271" "5276662"<br>"5361267" "5640602" "6134063"<br>"6157984" "6487631" "5271018"<br>"5500848" "5615190" "5822142"<br>"5835930" "5937435" "6201655"<br>"6223303" "6279089" "6470461"<br>"5127098" "5315708" "5420984"<br>"5572148" "5649230" "5841722"<br>"5890207" "5907717" "5983293"<br>"6029226" "6070200" "6081849"<br>"6401149" "6330626" "3800281"<br>"4881232" "4949342" "5027357"<br>"5068857" "5136592" "5157669"<br>"5361226").pn.                                  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/01/03 10:31 |
| S49 | 20 | "5491701"   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/01/03 10:32 |
| S50 | 20 | "5491701"   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/01/03 10:33 |
| S51 | 43 | ("5491701" "5563896" "5581715"<br>"5592404" "5600662" "5602857"<br>"5626949" "5991911" "6092231"<br>"4001883" "4805046" "4809091"<br>"4989190" "5050013" "5068755"<br>"5257143" "5274509" "5276564"<br>"5307216" "5627695" "4016368"<br>"4156867" "4225960" "4807253"<br>"4860333" "4866606" "4920535"<br>"5023612" "5051998" "5088093"<br>"5117442" "5146585" "5162954"<br>"5204859" "5220569" "5237593"<br>"5243471" "5544180" "4500926"<br>"4777635" "4972417" "4975915"<br>"5218564").pn. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/01/03 10:36 |
| S53 | 42 | ("5280488" "5285327" "5428627"<br>"4390969" "4587609" "4807116"<br>"5014186" "5133062" "3988716"<br>"4050097" "4275457" "4451898"<br>"4486750" "4625321" "4811282"<br>"4812769" "4970418" "5261081"<br>"5440751" "5692165" "5719516"<br>"5745793" "5758188" "5801998"<br>"5818886" "5831922" "5844844"<br>"5850422" "5854918" "5925135"<br>"5950223" "5968180" "6029250"<br>"6041417" "4667286" "5109500"<br>"5523903" "5729718" "5890210"<br>"6029226" "6381659" "6490635").<br>pn.          | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/01/03 10:43 |

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|     |    |  |                              |    |    |                  |
|-----|----|--|------------------------------|----|----|------------------|
| S56 | 42 | ("6574676" "6826650" "5072420"<br>"5193197" "5249271" "5276807"<br>"5301333" "5339443" "5408644"<br>"5465343" "5487170" "5506988"<br>"5507005" "5519837" "5544346"<br>"5546545" "5546548" "5574867"<br>"5583999" "5623672" "6554121"<br>"5689656" "5692135" "5740466"<br>"5784569" "5794073" "5178486"<br>"6530000" "5488688" "5754759"<br>"6297926" "6094320" "6067203"<br>"6078447" "6065053" "6124994"<br>"4080649" "5285451" "5691994"<br>"5912906" "6192499" "6662334").<br>pn. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/01/03 10:42 |
| S57 | 2  | "20010044873" "20030037225"  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/01/03 10:57 |
| S58 | 5  | ("385039".ap.)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/01/03 10:58 |
| S59 | 3  | "384992".ap.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/01/03 10:59 |
| S60 | 6  | "385056".ap.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/01/03 10:59 |
| S61 | 4  | "384991".ap.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/01/03 11:00 |
| S62 | 6  | "385042".ap.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/01/03 11:00 |
| S63 | 5  | "385405".ap.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/01/03 11:00 |
| S64 | 4  | "385022".ap.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/01/03 11:22 |
| S65 | 5  | "196727".ap.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/01/03 11:23 |
| S66 | 6  | "796727".ap.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/01/03 12:11 |
| S67 | 1  | "6662253".pn.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/01/03 13:33 |